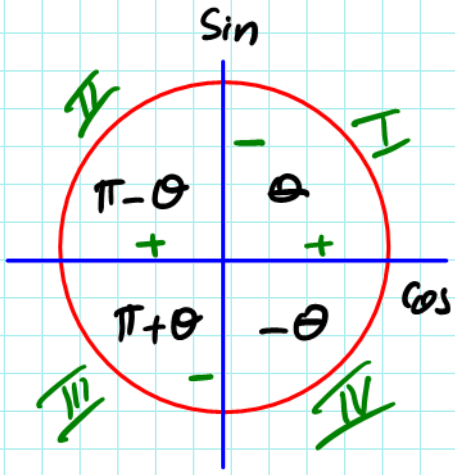
$$\arg(2i + e^{i\theta}) \equiv ? \ [2\pi].$$



I $\quad \cos\theta + i\sin\theta = e^{i\theta}$

IV $\quad \cos\theta - i\sin\theta = e^{-i\theta}$

II $\quad -\cos\theta + i\sin\theta = e^{i(\pi-\theta)}$

III $\quad -\cos\theta - i\sin\theta = e^{i(\pi+\theta)}$

$$\arg(-\cos\theta + i\sin\theta) \equiv \pi - \theta \ [2\pi]$$

$$\sin\theta + i\cos\theta = i^{\circ}(\cos\theta - i\sin\theta)$$

$$= e^{i\frac{\pi}{2}} \cdot e^{-i\theta} = e^{i(\frac{\pi}{2}-\theta)}$$

$e^{i\frac{\pi}{2}} = i^{\circ}$

$e^{-i\frac{\pi}{2}} = -i^{\circ}$

$e^{i0} = 1$

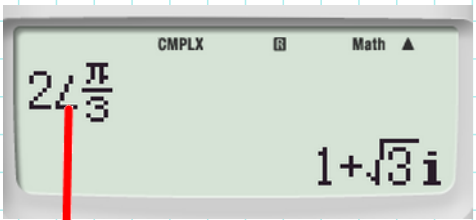
$e^{i\pi} = -1$

$e^{i\theta} \cdot e^{i\theta'} = e^{i(\theta+\theta')}$

$\dfrac{e^{i\theta'}}{e^{i\theta}} = e^{i(\theta'-\theta)}$

$(e^{i\theta})^n = e^{in\theta}$

$2e^{i\frac{\pi}{3}} =$



SHIFT (−)